

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	5	("4773493").URPN.	USPAT	AND	ON	2006/02/24 11:14
L10	1942764	"74" or 2004/0140857	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/02/24 11:53
L11	2	((("4639697") or ("5874866"))).PN.	USPAT; USOCR	OR	OFF	2006/02/24 11:53
L12	2	L11 or 2004/0140857	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/02/24 11:53
L13	2	L11 or 2004/0140857	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/02/24 11:53
L14	0	2004/0140857	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/02/24 11:53
L15	2	"20040140857"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/02/24 11:53
L16	4	L13 or L15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/02/24 11:53

EAST Search History

S1	50	(US-5946795-\$ or US-6018997-\$ or US-5571952-\$ or US-5710374-\$ or US-4340835-\$ or US-4290301-\$ or US-4510484-\$ or US-5684276-\$ or US-4912351-\$ or US-4379403-\$ or US-5533397-\$ or US-4311053-\$ or US-4920787-\$ or US-5386714-\$ or US-5907104-\$ or US-6463787-\$ or US-6014028-\$ or US-4900919-\$ or US-5603445-\$ or US-5677488-\$ or US-4322714-\$ or US-4383434-\$ or US-4005319-\$ or US-4255965-\$ or US-4316440-\$ or US-4341189-\$).did. or (US-4465047-\$ or US-4815353-\$ or US-5415026-\$ or US-5430343-\$ or US-5757107-\$ or US-5861705-\$ or US-5973440-\$ or US-6396201-\$ or US-4623030-\$ or US-4321464-\$ or US-5644075-\$ or US-6158280-\$ or US-4441044-\$ or US-4467271-\$ or US-4602989-\$ or US-4757228-\$ or US-4932259-\$ or US-5373481-\$ or US-5408880-\$ or US-5425272-\$ or US-5646339-\$ or US-5675325-\$ or US-5757104-\$ or US-5757721-\$).did.	USPAT	AND	ON	2006/02/22 15:31
S2	49	S1 and piezoelectric	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2005/12/05 14:16
S3	29	S2 and reed	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2005/12/05 14:16
S4	1	S1 and (piezoelectric adj reed)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2005/12/05 14:17
S5	51	(piezoelectric adj reed)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2005/12/05 15:04
S6	18	(piezoelectric adj reed) and phase	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2005/12/05 15:10
S7	0	("743284.pn.").PN.	USPAT; USOCR	OR	OFF	2005/12/05 15:10
S8	2	("0743284").PN.	USPAT; USOCR	OR	OFF	2005/12/05 15:14

EAST Search History

S9	19	S5 and mass	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2005/12/05 15:14
S10	8	S5 and mass and phase	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2005/12/05 15:17
S11	19	S5 and mass	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2005/12/05 15:18
S12	12978	piezoelectric and mass and phase	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2005/12/05 15:19
S13	6052	piezoelectric and mass and phase and vibration	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2005/12/05 15:21
S14	492	S13 and (phase near3 (detector or detection))	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2005/12/05 15:21
S15	133	S14 and (vibration\$3 adj frequency)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2005/12/05 15:22
S16	49	S15 and film	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2005/12/05 15:22
S17	0	("2005/0052813").URPN.	USPAT	AND	ON	2005/12/05 15:30
S18	1	S15 and (mass adj measurement)	USPAT	AND	ON	2005/12/05 15:32
S19	9	S15 and (mass near3 measurement)	USPAT	AND	ON	2005/12/05 15:35
S20	23296	((voltage near3 controlled) near4 oscillator)	USPAT	AND	ON	2005/12/05 15:36
S21	48990	phase adj (detection or difference)	USPAT	AND	ON	2005/12/05 15:36
S22	7695	S20 and S21	USPAT	AND	ON	2005/12/05 15:37
S23	437	S22 and circuit and piezoelectric	USPAT	AND	ON	2005/12/05 15:37
S24	4	S23 and (mass near3 measurement)	USPAT	AND	ON	2005/12/05 15:39
S25	5806	(mass near3 measurement)	USPAT	AND	ON	2005/12/05 15:40
S26	4	S21 S23 S25	USPAT	AND	ON	2005/12/05 15:40
S27	4	S23 S25	USPAT	AND	ON	2005/12/05 15:40

EAST Search History

S28	8540	(mass near3 (measurement or measure))	USPAT	AND	ON	2005/12/05 15:42
S29	6	S23 S28	USPAT	AND	ON	2005/12/05 15:41
S30	629	(mass near3 (measurement or measure)) and piezoelectric	USPAT	AND	ON	2005/12/05 15:42
S31	24	S30 and S20	USPAT	AND	ON	2005/12/05 15:42
S32	7	S30 S20 S21	USPAT	AND	ON	2005/12/05 15:52
S33	5052	piezoelectric oscillator phase (detector or difference)	USPAT	AND	ON	2005/12/05 15:52
S34	1619	piezoelectric oscillator (phase adj (detector or difference))	USPAT	AND	ON	2005/12/05 15:53
S35	1619	(piezoelectric and piezo\$1electric) oscillator (phase adj (detector or difference))	USPAT	AND	ON	2005/12/05 16:05
S42	147	(177/210FP).CCLS.	USPAT; USOCR	OR	OFF	2006/02/21 18:48
S43	52	S42 and piezoelectric	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2005/12/05 16:12
S44	16	S42 and piezoelectric and phase	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2005/12/05 16:12
S45	11	("2901239" "3926271" "4391338" "4696181" "4838371" "4929874").PN. OR ("5488203").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2005/12/05 16:21
S46	32	("3238789" "3411347" "3437850" "3470400" "3488530" "4037121" "4058007" "4215570" "4299122" "4320320" "4321500" "4372173" "4378702" "4384495" "4406966" "4446394" "4503715" "4538461" "4541495" "4544858" "4618014" "4623030").PN. OR ("4773493").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/21 18:46
S47	0	S46 and piezo-electic	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/21 18:47
S48	1	S46 and piezoelectic	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/21 18:47
S49	147	(177/210FP).CCLS.	USPAT; USOCR	OR	OFF	2006/02/21 18:48

EAST Search History

S50	52	S49 and piezoelectric	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/02/21 18:48
S51	13	("3814914" "3926271" "3973636" "4165633" "4168623" "4316384" "4544858").PN. OR ("4623030").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/21 18:54
S52	233	((177/210FP) or (73/580)).CCLS.	USPAT; USOCR	OR	OFF	2006/02/22 15:38
S53	2	S52 and film and (liquid or water) and air and phase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/02/22 15:41
S54	14	S52 and film and phase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/02/22 15:44
S55	13	S52 phase oscillator piezo\$8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/02/22 15:45
S56	66	S52 phase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/02/22 15:45
S57	5	("4783987" "4788466" "5201215" "5416448").PN. OR ("6848299").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/22 15:48
S58	915	quartz adj crystal adj (balance or microbalance)	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/22 15:49
S59	444	quartz adj crystal adj (balance or microbalance) (water or liquid) and air	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/22 15:49
S60	336	quartz adj crystal adj (balance or microbalance) (water or liquid) and air phase	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/22 15:53
S61	312	quartz adj crystal adj (balance or microbalance) (water or liquid) and air phase (filter or film)	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/22 15:55

EAST Search History

S62	70	quartz adj crystal adj (balance or microbalance) (water or liquid) same (filter or film) same air and phase	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/23 15:16
S63	20367	Kobayashi.in.	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/22 15:56
S64	362	Kobayashi.in. yoshihiro.in.	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/22 15:57
S65	22	Kobayashi.in. yoshihiro.in. piezo\$8	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/22 15:59
S66	19	Kobayashi.in. yoshihiro.in. seiko.as.	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/22 15:59
S67	10	Kobayashi.in. yoshihiro.in. seiko.as. piezo\$8	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/22 16:27
S68	11	("2901239" "3926271" "4391338" "4696181" "4838371" "4929874").PN. OR ("5488203"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/22 16:40
S69	38	("3492858" "3555886" "3565193").PN. OR ("3926271"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/23 11:52
S70	38	("3492858" "3555886" "3565193").PN. OR ("3926271"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/23 12:18
S71	49	("3715911" "3744297" "3926271" "3957469" "4294105").PN. OR ("4391338"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/23 15:16
S72	440	quartz adj crystal adj (balance or microbalance) (water or liquid or fluid) same (filter or film) and phase	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/23 15:29
S73	2	((("4639697") or ("5874866") or ("20040140857")).PN.	USPAT; USOCR	OR	OFF	2006/02/23 15:29
S74	2	((("4639697") or ("5874866")).PN.	USPAT; USOCR	OR	OFF	2006/02/24 11:53